

R647-4-105. Maps, Drawings and Photographs.

1. A topographic base map must be submitted with the notice of intention. The scale should be approximately 1 inch = 2,000 feet, preferably a USGS 7.5 minute series or equivalent topographic map where available. The following information shall be included on the map:

1.11. Property boundaries of surface ownership of all lands which are to be affected by the mining operations; *only two property owners. State of Utah & REES Legacy*

1.12. Perennial streams, springs and other bodies of water, roads, buildings, landing strips, electrical transmission lines, water wells, oil and gas pipelines, existing wells, boreholes, or other existing surface or subsurface facilities within 500 feet of the proposed mining operations; *NONE*

1.13. Proposed route of access to the mining operations from nearest publicly maintained highway. The map scale will be appropriate to show access.

1.14. Known areas which have been previously impacted by mining or exploration activities within the proposed disturbed area. *NONE*

2. A surface facilities map shall be provided at a scale of approximately 1" = 200' or other scale as determined necessary by the Division. The following information shall be included on the surface facilities map:

2.11. Proposed surface facilities, including but not limited to buildings, stationary mining/processing equipment, roads, utilities, power lines, proposed drainage control structures, and, the location of topsoil storage areas, tailings or processed waste facilities, disposal areas for overburden, solid and liquid wastes and wastewater discharge treatment and containment facilities; *N/A*

2.12. A border clearly outlining the acreage proposed to be disturbed by mining operations.

3. The following maps, drawings or cross sections may be required by the Division:

3.11. Regraded Slopes to be left at steeper than 2h:1v;

3.12. Plans, profiles and cross sections of roads, pads or other earthen structures to be left as part of the postmining land use; *pending*

3.13. Water impounding structures with embankments greater than 20 feet in height from the upstream toe of the embankment or greater than 20 acre feet in storage capacity; *N/A*

3.14. Maps identifying surface areas which will be disturbed by the operator but will not be reclaimed, such as solid rock slopes, cuts, roads, or sites of buildings or surface facilities to be left as part of the postmining land use; *unknown to date*

3.15. Sediment ponds, diversion channels, culvert size and locations, and other hydrologic designs and features to be incorporated into the mining and reclamation plan; *N/A*

3.16. Baseline information maps and drawings including soils, vegetation, watershed(s), geologic formations and structure, contour and other such maps which may be required for determination of existing conditions, operations, reclamation and postmining land use;

3.17. A reclamation activities and treatment map to identify the location and the extent of the reclamation work to be accomplished by the operator upon cessation of mining operations. This drawing shall be utilized to determine adequate bonding and reclamation practices for the site;

3.18. Other maps, plans, or cross sections as may reasonably be required by the Division.

4. The operator may submit photographs (prints) of the site sufficient to show existing vegetation and surface conditions. These photographs should show the general appearance and condition of the land to be affected and should be clearly marked as to the location, orientation and the date that the pictures were taken.

5. Copies of the underground and surface mine development maps.

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